**Index of Claims** 

Application/Control No.

Applicant(s)/Patent under Reexamination

10/693,519

MECHERY ET AL. Art Unit

Examiner Mike Stahl

2874

Rejected Allowed

| _ | (Through numeral)<br>Cancelled |  |  |  |  |  |  |  |
|---|--------------------------------|--|--|--|--|--|--|--|
| ÷ | Restricted                     |  |  |  |  |  |  |  |

| Z | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
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| 0 | Objected |

|       | _            | Date         |          |              |          |              |          |          |  | Claim |       |           |    |          |                                     | <b>-</b>     | _        |          |
|-------|--------------|--------------|----------|--------------|----------|--------------|----------|----------|--|-------|-------|-----------|----|----------|-------------------------------------|--------------|----------|----------|
| Claim | +            |              | _        |              | Jate     | <u>e</u>     |          |          | ·  |       | Cla   | ım.       |    |          |                                     | _            | Date     | <u>е</u> |
| Final | 178877       |              |          |              |          |              |          |          |  |       | Final | Original  |    |          |                                     |              |          |          |
| 1     | 1            |              |          |              | Г        |              |          |          |  |       |       | 51        | П  |          |                                     |              |          | Г        |
| 2     | Ī            |              |          |              |          | $\vdash$     |          |          | Г  |       |       | 52        | П  |          |                                     |              |          | Γ        |
| 3     | 1            |              |          |              |          |              |          |          |  |       |       | 53        |    |          |                                     |              |          |          |
| 4     | 1            |              |          |              |          |              |          |          |  |       |       | 54        |    |          |                                     |              |          |          |
| 5     | \<br> <br>   |              |          |              |          |              |          |          |  |       |       | 55        |    |          |                                     |              |          | L        |
| 6     | √            |              |          |              |          |              |          |          |  |       |       | 56        |    |          |                                     |              |          | L        |
| 7     | V            | L_           |          | _            |          | <u> </u>     |          |          | _  |       |       | 57        | Ш  |          |                                     |              | L_       | L        |
| 8     | V            | L            |          | _            |          | L            |          |          | L  |       |       | 58        | Ш  |          |                                     |              |          | L        |
| 9     | V            |              |          |              |          | <u> </u>     |          |          | $ldsymbol{ld}}}}}}$ |       |       | 59        | Ш  |          |                                     |              |          | L        |
| 10    | V            |              |          | _            |          | <u> </u>     | ļ        |          |  |       |       | 60        | Ш  |          |                                     |              |          | L        |
| 11    | <u> </u>     |              |          |              |          | <u> </u>     | _        | L        | L  |       |       | 61        |    |          |                                     |              |          | L        |
| 12    | J./          |              |          | <u> </u>     |          | ļ            |          |          | <u> </u>   |       |       | 62        | Ш  |          |                                     |              |          | L        |
| 13    | V            | _            | L        | _            | _        |              | ╙        |          | _  |       |       | 63        | -  |          |                                     |              |          | L        |
| 14    | V,           |              | _        | _            | <u> </u> | ┞            | <u> </u> |          | ┡  |       |       | 64        |    |          | <u> </u>                            |              | <u> </u> | L        |
| 15    | ļ٧           |              |          | _            |          | ļ            |          |          | _  |       |       | 65        | Ш  |          |                                     | _            |          | L        |
| 16    | 14           | _            |          | <u> </u>     |          | ┡            | L        |          | <u> </u>   |       |       | 66        | Н  |          |                                     |              | <u> </u> | ┝        |
| 17    | 11           |              |          | ļ            | _        | <u> </u>     |          | L        | _  |       |       | 67        | Ш  |          |                                     |              | _        | ┞-       |
| 18    | <b>↓</b> ✓   |              |          | <u> </u>     | _        | <u> </u>     |          | _        | ļ  |       |       | 68        | Н  |          | _                                   |              | -        | ╀        |
| 19    | V            | _            |          | ⊢            | -        | ⊢            | ├        |          | _  |       |       | 69        | H  | _        | _                                   | _            | ┡        | ┝        |
| 20    | 11           | <u> </u>     | _        | ⊢            | ⊢        | -            | ⊢        | -        | ⊢  |       |       | 70        | Н  |          |                                     | _            |          | ┝        |
| 21    | Ý            |              |          | <u> </u>     | ┢        | -            | ⊢        | _        | <u> </u>   |       |       | 71        | Н  |          |                                     | _            | ⊢        | ┞        |
| 22    | ¥,           | H            |          | -            | ⊢        | ⊢            |          | $\vdash$ |  |       |       | 72<br>73  | Н  | _        |                                     |              | -        | ╀        |
| 23    | ₩,           | -            |          | H            |          |              | ⊢        |          |  |       |       | 74        | Н  | _        | _                                   | _            | -        | ┢        |
| 25    | <b>↓</b> √   | H            | _        | $\vdash$     | ┢        | ├            | ├        | _        | ⊢  |       |       | 75        | Н  |          | _                                   | -            | -        | ⊢        |
| 26    | 1            | -            |          | $\vdash$     |          | $\vdash$     | $\vdash$ | -        | <del> </del>   |       |       | 76        | Н  |          |                                     | _            | ├        | ╁        |
| 27    | _            | H            | _        |              | -        | <del> </del> | _        |          | ├  |       |       | 77        | Н  |          |                                     |              | ┢        | ┢        |
| 28    | <b>∀</b>     | -            |          |              |          | <del> </del> | -        | -        | ┝  |       |       | 78        | Н  |          |                                     | _            | $\vdash$ | ⊢        |
| 29    | _            | <del> </del> |          | $\vdash$     | $\vdash$ |              |          | -        | ┝  |       |       | 79        |    |          |                                     | -            |          | ╁        |
| 30    | 8            | -            |          | $\vdash$     |          | <u> </u>     |          |          | $\vdash$   |       |       | 80        | Н  |          |                                     |              | $\vdash$ | ┢        |
| 31    | <b>-</b>     |              |          | H            | ╁        |              | ┢        | H        | -  |       |       | 81        | Н  |          |                                     | $\vdash$     | -        | ┢        |
| 32    | 1/           | $\vdash$     | $\vdash$ | _            |          | $\vdash$     |          | $\vdash$ | -  |       | -     | 82        | H  |          |                                     | ┢            | H        | t        |
| 33    | 1.7          |              |          |              |          | T            | Т        | _        |  |       | -     | 83        | П  |          |                                     |              |          | T        |
| 34    | 1./          |              |          | 1            |          | T            | Т        | Т        |  |       |       | 84        |    |          |                                     |              |          | T        |
| 35    | 17           |              |          |              |          | İ            |          |          |  |       |       | 85        |    |          |                                     | Г            |          | Г        |
| 36    | V            |              |          |              |          |              |          |          |  |       |       | 86        |    |          |                                     |              |          | Γ        |
| 37    | 1            |              |          |              |          |              |          |          |  |       |       | 87        |    |          |                                     |              |          | Γ        |
| 38    | Ž            |              | Г        | Γ            | П        |              | Г        |          |  |       |       | 88        | П  |          |                                     |              |          | Γ        |
| 39    | <b>V</b>     |              |          |              |          |              |          | L        |  |       |       | 89        |    |          |                                     |              |          |          |
| 40    | V            |              |          |              |          |              |          |          |  |       |       | 90        |    |          |                                     |              |          |          |
| 41    | W            |              |          |              |          |              |          |          |  |       |       | 91        |    |          |                                     |              | <u> </u> | L        |
| 42    |              |              |          |              |          |              |          |          | L  |       |       | 92        |    |          | _                                   |              | L        | L        |
| 43    | V            |              |          |              |          |              |          | L        | <u>_</u>   |       |       | 93        |    |          | _                                   |              |          | L        |
| 44    | 1            |              |          |              |          | ┖            | L.       |          | L_   |       |       | 94        |    |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>     |          | L        |
| 45    | V            | oxdot        | _        | $\vdash$     | _        | $oxed{oxed}$ | oxdot    | <u> </u> | L_   |       |       | 95        | Ш  | _        | <u> </u>                            | $oxed{oxed}$ | <u> </u> | L        |
| 46    | 0            |              |          | L.           | <u> </u> | _            |          |          | <u> </u>   |       |       | 96        | Щ  | <u></u>  | <u> </u>                            | _            | <u> </u> | $\vdash$ |
| 47    | ╄-           | $\vdash$     | _        | <u> </u>     | _        |              | _        | <u> </u> | ⊢  |       |       | 97        | Щ  |          | <u> </u>                            | _            | <u> </u> | L        |
| 48    | ₩.           | L.           | L        | <del> </del> | L.       | <u> </u>     | <u> </u> | <u> </u> | <u> </u>   |       |       | 98        | Щ  | <u> </u> | <u> </u>                            | <u> </u>     | <u> </u> | L        |
| 49    |              |              |          |              |          | 1            |          |          |  |       | i .   | 1 00      | ıl | 1        |                                     |              | ı        | 1        |
| 50    | <del> </del> | -            | <u> </u> | ┢            | ├        |              | ├-       | $\vdash$ | ⊢  |       |       | 99<br>100 | Н  | <u> </u> | ├                                   | ├-           | ⊢        | ╁        |

| Cla            | Claim    |          |          | Date     |              |              |               |          |          |          |  |  |  |
|----------------|----------|----------|----------|----------|--------------|--------------|---------------|----------|----------|----------|--|--|--|
| <del>  "</del> |          |          |          |          | ri           |              | $\overline{}$ |          |          |          |  |  |  |
| Final          | Original |          |          |          |              |              |               |          |          |          |  |  |  |
|                | 51       |          |          |          |              |              | _             |          |          |          |  |  |  |
|                | 52       |          |          |          |              |              |               |          |          |          |  |  |  |
|                | 53       |          |          |          |              |              |               |          |          |          |  |  |  |
|                | 54       |          |          |          |              |              |               |          |          |          |  |  |  |
|                | 55       |          |          |          |              |              |               |          |          |          |  |  |  |
|                | 56       |          |          |          |              |              |               |          |          |          |  |  |  |
|                | 57       |          |          |          |              |              |               |          |          |          |  |  |  |
|                | 58       |          |          |          |              |              |               |          |          |          |  |  |  |
|                | 59       |          |          |          |              |              |               |          |          |          |  |  |  |
|                | 60       |          |          |          |              |              |               | _        |          |          |  |  |  |
| <u> </u>       | 61       |          |          |          |              |              |               |          |          | _        |  |  |  |
| -              | 62       | $\vdash$ |          | $\vdash$ | <u> </u>     | <u> </u>     | H             |          |          | _        |  |  |  |
| -              | 63<br>64 |          |          |          | $\vdash$     |              | ⊢⊣            |          |          | -        |  |  |  |
| -              | 65       | $\vdash$ | -        | -        | -            | <del> </del> | $\vdash$      | <u> </u> | $\vdash$ | $\vdash$ |  |  |  |
| $\vdash$       | 66       | $\vdash$ | -        |          | $\vdash$     | ⊢            | -             | -        |          | -        |  |  |  |
| -              | 67       | -        | -        | _        |              | -            |               | -        | -        |          |  |  |  |
|                | 68       |          | -        |          |              |              |               | _        |          | _        |  |  |  |
| -              | 69       | _        | _        |          |              | H            | _             | -        |          | _        |  |  |  |
|                | 70       | _        |          |          | _            |              |               |          | -        |          |  |  |  |
|                | 71       |          |          |          |              | -            | _             |          |          | _        |  |  |  |
|                | 72       |          |          |          |              |              |               |          |          |          |  |  |  |
|                | 73       |          |          |          |              |              |               |          |          |          |  |  |  |
|                | 74       |          |          |          |              |              |               |          |          |          |  |  |  |
|                | 75       |          |          |          |              |              |               |          |          |          |  |  |  |
|                | 76       |          |          |          |              |              |               |          |          |          |  |  |  |
| L              | 77       |          |          |          |              |              |               |          |          |          |  |  |  |
|                | 78       |          |          |          |              |              |               |          |          | _        |  |  |  |
|                | 79       |          | _        |          |              |              |               | _        | _        | <u> </u> |  |  |  |
|                | 80       |          |          | _        |              | -            | _             |          |          | _        |  |  |  |
| -              | 81       |          |          |          | _            | ⊢            | $\vdash$      |          | _        | $\vdash$ |  |  |  |
| <u> </u>       | 82<br>83 |          | _        | -        | -            | ⊢            | $\vdash$      |          | _        | -        |  |  |  |
| <u> </u>       | 84       | $\vdash$ |          | <u> </u> | -            | ⊢            | $\vdash$      |          | <b></b>  | _        |  |  |  |
|                | 85       | <u> </u> | <b></b>  |          |              | $\vdash$     | $\vdash$      | -        | $\vdash$ | $\vdash$ |  |  |  |
|                | 86       | $\vdash$ | $\vdash$ | $\vdash$ |              | -            | $\vdash$      | Н        | Η-       | Н        |  |  |  |
| <b>—</b>       | 87       | $\vdash$ | $\vdash$ | Н        | $\vdash$     | $\vdash$     |               | -        | Н        |          |  |  |  |
|                | 88       |          |          | _        | $\Box$       | <u> </u>     |               |          | П        | Г        |  |  |  |
|                | 89       | l        |          |          | $\Box$       |              | Ī             |          | П        | Π        |  |  |  |
|                | 90       |          |          |          |              |              |               |          |          |          |  |  |  |
|                | 91       |          |          |          |              |              |               |          |          |          |  |  |  |
|                | 92       | 匚        |          | <u> </u> |              |              |               |          |          | L        |  |  |  |
|                | 93       |          |          |          | $oxed{oxed}$ | <u>L</u>     |               |          |          |          |  |  |  |
|                | 94       | <u> </u> |          | <u> </u> |              | <u> </u>     | <u> </u>      | L_       |          | <u> </u> |  |  |  |
| <u> </u>       | 95       | ldash    | L        | <u> </u> | $\vdash$     | ļ            | <u> </u>      | _        | <u> </u> | _        |  |  |  |
| <u> </u>       | 96       | $\vdash$ | <u> </u> | <u> </u> | _            | _            | <u> </u>      | <u> </u> | <u> </u> | <u> </u> |  |  |  |
| -              | 97       | <u> </u> | ļ        | <u> </u> | -            | -            | -             | -        | ⊢        | <u> </u> |  |  |  |
| -              | 98<br>99 | $\vdash$ | ├-       | ├        | -            | <del> </del> | $\vdash$      | <u> </u> | $\vdash$ | -        |  |  |  |
| <u> </u>       | 100      | ├-       | <u> </u> | ├        | -            | $\vdash$     | $\vdash$      |          | <u> </u> | -        |  |  |  |
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| Cla   | Date              |          |  |   |  |  |          |            |          |                 |
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|       |                   |          |  |   |  |  |          |            |          | П               |
| ਯ     | Original          |          |  |   |  |  |          |            |          |                 |
| Final | igi               |          |  |   |  |  |          |            |          |                 |
|       | ō                 |          |  |   |  |  |          |            |          |                 |
|       | 101               | -        |  | $\vdash$  |  |  | _        |            |          | Н               |
|       | 101<br>102        | -        | _  | ⊢   | $\vdash$   | _  | _        | Н          | _        | $\vdash$        |
|       | 103               | _        |  | <del> </del>  |  | _  | _        | _          | _        | -               |
|       | 103               | _        |  | H   |  |  |          |            |          |                 |
|       | 104<br>105        | $\vdash$ |  | _   | $\vdash$   | _  | _        | _          |          | $\dashv$        |
|       | 105               | _        |  | _   |  |  | _        | _          |          | Н               |
|       | 106               | _        |  | -   |  |  |          | _          |          | Щ               |
|       | 107               |          |  | L.  |  |  |          |            |          | -               |
|       | 108               |          |  | <u> </u>  |  | _  | _        |            |          |                 |
|       | 109               |          |  |   |  | _  |          |            |          |                 |
|       | 110               |          |  |   |  |  |          |            |          |                 |
|       | 110<br>111        |          |  | <u> </u>  |  | Ш  | $\Box$   |            |          |                 |
|       | 112               | L_       |  | $ldsymbol{ld}}}}}}$ |  |  | <u> </u> |            |          |                 |
|       | 113               |          |  | L.  |  |  |          |            |          |                 |
|       | 112<br>113<br>114 | L        |  |   |  |  |          |            |          |                 |
|       | 115               |          |  |   | L  |  |          |            |          |                 |
|       | 115<br>116        |          |  |   |  |  |          |            |          |                 |
|       | 117               |          |  |   |  |  |          |            |          |                 |
|       | 118               |          |  |   |  |  |          |            |          |                 |
|       | 119               |          | _  |   |  |  |          |            |          | $\neg$          |
|       | 120               |          |  |   |  |  |          |            |          |                 |
|       | 121               | $\vdash$ | $\vdash$   | $\vdash$  | _  | <del>                                     </del> |          |            |          | Н               |
|       | 121<br>122        |          |  |   | $\vdash$   | $\vdash$   |          | $\vdash$   |          | $\vdash$        |
|       | 122               | -        | -  | H   | _  | $\vdash$   | _        | $\vdash$   |          | $\vdash$        |
|       | 123<br>124<br>125 | _        | $\vdash$   |   | -  |  | $\vdash$ | -          |          | $\vdash$        |
| -     | 124               |          | -  | $\vdash$  | -  | $\vdash$   | -        | $\vdash$   | _        | Н               |
|       | 120               | -        | $\vdash$   | -   | -  | $\vdash$   |          |            | _        | $\vdash$        |
|       | 126<br>127        | ⊢        | -  | $\vdash$  | -  |  | -        | ⊢          | _        | Н               |
|       | 127               | _        | <u> </u>   | ├-  | <u> </u>   |  | _        | -          | -        | Н               |
|       | 128               | $\vdash$ | <u> </u>   |   | <u> </u>   | <u> </u>   | <u> </u> | ⊢          | -        | Н               |
|       | 129<br>130        | _        | ┞-   | <u> </u>  | <u> </u>   | <u> </u>   | <u> </u> | <u> </u>   | _        | Н               |
|       | 130               | L        |  | <u> </u>  |  | <u> </u>   | <u> </u> | <u> </u>   |          | Н               |
|       | 131               | L.       | L_   | _   | <u> </u>   | L.   | _        | L          | _        | Ш               |
|       | 132               | L        | L_   | L_  | <u> </u>   | <u> </u>   | <u> </u> | ⊢          | L.       | Ш               |
|       | 133               |          | _  | L_  | L_   | $oxed{oxed}$                                     | <u> </u> | Щ          | L        |                 |
|       | 134               | L_       | L_   | L   | <u> </u>   | L_   | L        | <u>L</u> . | <u> </u> |                 |
|       | 135               |          | L.   | L   |  | ota  | L_       | Щ          | <u> </u> |                 |
|       | 136               |          |  | L   | 匚  | L  | <u> </u> |            | L        | Щ               |
|       | 137               |          | oxdot  | L   |  | <u>L</u>   | L.       | _          | <u> </u> | Ш               |
|       | 138               |          |  | $\Box$  |  |  |          | _          | <u> </u> | Ш               |
|       | 139               |          |  |   |  |  |          |            |          | $\Box$          |
|       | 140               |          |  |   |  | L  |          |            |          |                 |
|       | 141               |          |  |   |  |  |          |            |          |                 |
|       | 142               | Г        | T  | П   |  |  |          |            |          |                 |
|       | 143               | Г        |  |   |  |  |          | Г          |          | П               |
|       | 144               | $\vdash$ | $\vdash$   |   | $\vdash$   | <del>                                     </del> | $\vdash$ | $\vdash$   |          | П               |
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|       |                   |          |  | ₩   | $\vdash$   | ├  | ⊢        | $\vdash$   | ├-       | $\vdash$        |
|       | 150               |          | <u></u>  | L   |  |  |          |            |          | لـــا           |